

TX6

Medium Temperature Ceramic Epoxy Wearing Compound



DATA SHEET

TX6 is a 100% solids, solvent-free, ceramic-filled epoxy coating designed to provide superior protection for metals in aggressive environments—especially where abrasion and chemical resistance are required. While it is not intended as a high-temperature specialty product, it performs reliably in service conditions up to 203°C (400°F). It can be easily applied by plastic squeegee or trowel in thicknesses up to 1000 mils without sagging.

- Perfect for repairs and patching
- Extreme adhesion on steel, bronze, aluminum, concrete and rubber
- Protection against corrosion and abrasion

APPLICATION AREAS

- Chutes
- Screens
- Cyclones
- Wear plates
- Centrifugal pumps
- Pipe elbows
- Hydro pulpers
- Ash separators
- Impellers
- Coal crushers
- Screw conveyors

COVERAGE

10 kg kit covers 0.8 m² (8 .6sf)
Thickness: 6 mm (240 mils)

COLOR

Gray

PACKAGING

Size	Reorder #	Size	Reorder #
1 kg	TX6-01	2 kg	TX6-02
10 kg	TX6-10	20 kg	TX6-20

TECHNICAL DATA

Maximum Temperature (depending on the service)	Wet Service Dry Service	95°C 205°C	203°F 400°F
Solids by Volume	100%		
Viscosity	Pasta		
Mixed Density	2.0		
Shore D Hardness	(ASTM D 2240)	84	
Pot Life	25 min / kg at 72°F		
SAG Vertical Resistance at 21°C (70°F) and 12.7 mm (500mils)	No sagging		
Mixing Ratio	2:1 per Weight	Base: Activator	
Shelf Life (unopened containers)	3 years at 55-95°F (13-35°C)		



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SURFACE PREPARATION

Proper surface preparation is essential for the long-term performance of this product. Exact surface preparation requirements vary depending on the severity of the application, the expected service life, and the initial condition of the substrate. All sharp edges and welds must be ground to a 3 mm (120 mil) radius using an abrasive disc. Optimal preparation will provide a surface that is thoroughly clean of all contaminants and rough with an angular profile between 75–125 µm (3–5 mils). This is typically achieved through initial cleaning and degreasing followed by abrasive blasting to near-white metal cleanliness, or by mechanical preparation. For application on rubber, the surface should be left clean and roughened with a rotary brush and thoroughly cleaned.

MIX

Thoroughly mix the activator into the base using a mixing stick, scraping the sides and bottom of the container. Mix at a ratio of 2 parts Base to 1 part Activator by weight. Mix thoroughly to produce a uniform, streak-free material. Never add solvents.

APPLICATION

Use a heavy-duty plastic squeegee or putty knife to apply a minimum thickness of 3 mm. Work the material into the substrate profile to achieve maximum adhesion and eliminate any trapped air. Shape and contour using a putty knife or plastic applicator. If using a mold or form, be sure to coat its surface with a release agent to prevent adhesion of the material.

APPLICATION TEMPERATURE

Maintain temperatures between 55 and 95°F (17 to 35°C). Substrate temperature should be kept between 45 and 105°F (7 to 40°C). The temperature difference between the substrate and the material should never exceed 10°F (5°C). The substrate must be at least 5°F (3°C) above the dew point. Do not apply if the relative humidity exceeds 90%. If necessary, preheat the metal before surface preparation using an electric heater or heat lamp. Never use gas, oil, or kerosene heaters, as they will leave an oily residue on the metal surface. For best results, keep all material in a warm area overnight (75°F or higher) to facilitate mixing.



CLEAN

Tools should be thoroughly cleaned immediately after use with a strong alkaline detergent.

CURED TIME

	16°C (60°F)	25°C (77°F)	32°C (90°F)
Tack Free	2 hours	1.5 hours	1 hour
Light Load	2.5 hours	2 hours	1.5 hours
Overcoat End	3 hours	2.5 hours	2 hours
Full Load	4.5 hours	4 hours	3.5 hours

SAFETY

Before using any products, review the appropriate Safety Data Sheet (SDS) or Safety Sheet for your area. Follow standard confined space entry and work procedures, if appropriate.

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FDA COMPLIANCE

This product complies with FDA regulations: FDA 21 CFR 175.300 and FDA 21 CFR 175.105.



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